

## AFMMHV – Arizona Fescue – Mountain Muhly Herbaceous Vegetation (Map Unit 28)



Photo credit: Jim Von Loh



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The Arizona Fescue – Mountain Muhly Herbaceous Vegetation (AFMMHV, Map Unit 28) represents a combination of the *Festuca arizonica* – *Muhlenbergia montana* (Arizona Fescue – Mountain Muhly) Herbaceous Vegetation Association and the *Muhlenbergia montana* (Mountain Muhly) Herbaceous Vegetation Association.

*Festuca arizonica* – *Muhlenbergia montana* (Arizona Fescue – Mountain Muhly) Herbaceous Vegetation Association – This common grassland occupies deep soils on flats, gentle to steep slopes, hills, ridges, and drainage sides within the lower and middle elevations.

*Muhlenbergia montana* (Mountain Muhly) Herbaceous Vegetation Association - This grassland typically occupies the steeper middle and upper slopes of hills and ridges at aspects ranging from southeast to southwest. Stands are found within the lower to mid-elevations, and on thin soils consisting of Pikes Peak granite gravel.

## AFMMHV – Arizona Fescue – Mountain Muhly Herbaceous Vegetation (Map Unit 28) Continued

### Photo Signatures

These two associations (Arizona Fescue – Mountain Muhly Herbaceous Vegetation Association and Mountain Muhly Herbaceous Vegetation Association) are difficult to distinguish from one another. In the natural color aerial photography, AFMMHV appears as very light green to tan to light tan, with a smooth texture. The tones are darker in drain bottoms, and lighter on ridge tops and south-facing slopes. Foliar cover of the grasses is over 50% for Arizona Fescue – Mountain Muhly, and 25-40% for Mountain Muhly. The signature closely resembles the Smooth Brome Semi-natural Herbaceous Vegetation (Map Unit 25). Photo AFMMHV-1 was taken in September 1996 and AFMMHV-2 was taken in August 1995.

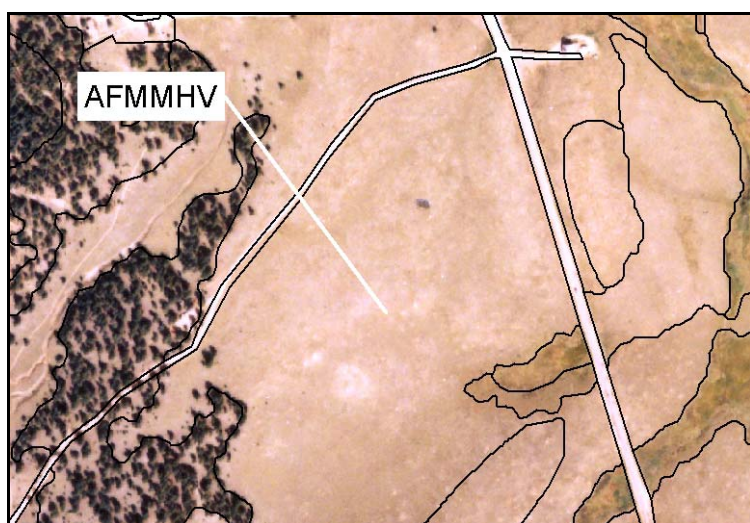
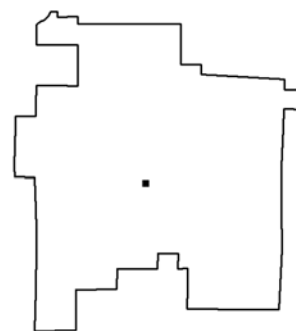


Photo AFMMHV-1



Location of **AFMMHV-1** within  
National Monument

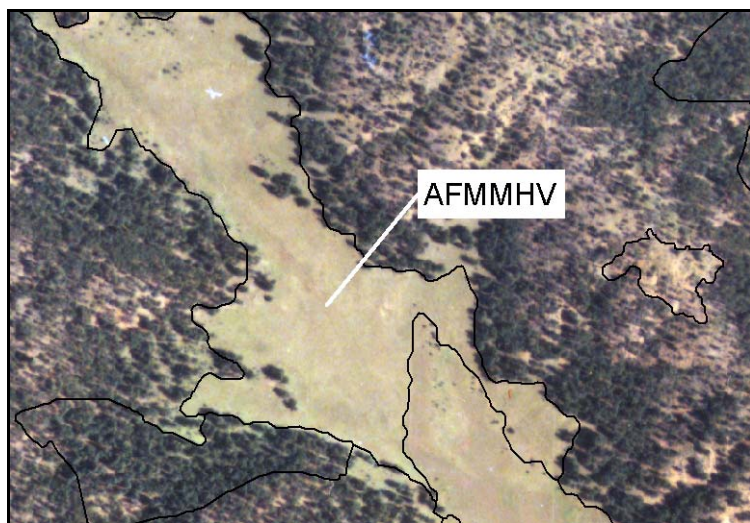
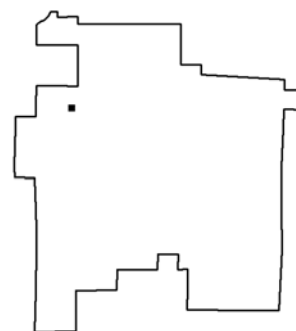


Photo AFMMHV-2



Location of **AFMMHV-2** within  
National Monument

## **AFMMHV – Arizona Fescue – Mountain Muhly Herbaceous Vegetation (Map Unit 28) Continued**

### **Area Report for AFMMHV Map Unit**

Number of Polygons: 113

Number of Hectares: 687.8

Number of Acres: 1698.9

Average Size: 6.1 hectares, 15.0 acres

### **Accuracy Assessment Results for AFMMHV Map Unit**

The Arizona Fescue – Mountain Muhly Herbaceous Vegetation Map Unit was assessed at 52% for producers' accuracy (confidence interval 40-64%) and at 82% users' accuracy (confidence interval 69-94%).